



IFWO

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/674,087A

DATE: 09/29/2004  
 TIME: 11:12:58

Input Set : A:\MIT-0507.ST25.txt  
 Output Set: N:\CRF4\09292004\J674087A.raw

3 <110> APPLICANT: Chen, et al.,  
 5 <120> TITLE OF INVENTION: Compositions and Methods for Delivery of Short Interfering  
 RNA

6 and Short Hairpin RNA

8 <130> FILE REFERENCE: 0492611-0507

10 <140> CURRENT APPLICATION NUMBER: 10/674,087A

11 <141> CURRENT FILING DATE: 2003-09-29

13 <160> NUMBER OF SEQ ID NOS: 32

15 <170> SOFTWARE: PatentIn version 3.2

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 21

19 <212> TYPE: DNA

20 <213> ORGANISM: Artificial

22 <220> FEATURE:

23 <223> OTHER INFORMATION: siRNA targeted to GFP (sense strand)

25 <400> SEQUENCE: 1

21

26 ggcuacgucc aggagcgcatt

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 21

31 <212> TYPE: DNA

32 <213> ORGANISM: Artificial

34 <220> FEATURE:

35 <223> OTHER INFORMATION: siRNA targeted to GFP (antisense strand)

37 <400> SEQUENCE: 2

21

38 ugcgcuccug gacguagcctt

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 21

43 <212> TYPE: DNA

44 <213> ORGANISM: Artificial

46 <220> FEATURE:

47 <223> OTHER INFORMATION: siRNA targeted to influenza virus NP transcript (sense  
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49 <400> SEQUENCE: 3

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50 ggaucuuauu ucuuucggagt t

53 <210> SEQ ID NO: 4

54 <211> LENGTH: 21

55 <212> TYPE: DNA

56 <213> ORGANISM: Artificial

58 <220> FEATURE:

59 <223> OTHER INFORMATION: siRNA targeted to influenza virus NP transcript (antisense  
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62 <400> SEQUENCE: 4

21

63 cuccgaagaa auaagaucct t

66 <210> SEQ ID NO: 5



67 <211> LENGTH: 21

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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial
71 <220> FEATURE:
72 <223> OTHER INFORMATION: siRNA targeted to influenza virus PA transcript (sense
strand)
74 <400> SEQUENCE: 5
75 gcaauugagg agugccugat t
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 21
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial
83 <220> FEATURE:
84 <223> OTHER INFORMATION: siRNA targeted to influenza virus PA transcript (antisense
85 strand)
87 <400> SEQUENCE: 6
88 ucaggcacuc cucaaauugct t
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 21
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial
96 <220> FEATURE:
97 <223> OTHER INFORMATION: siRNA targeted to influenza virus B-1 transcript (sense
strand)
99 <400> SEQUENCE: 7
100 gaucuguucc accauugaat t
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 21
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial
108 <220> FEATURE:
109 <223> OTHER INFORMATION: siRNA targeted to influenza virus PB-1 transcript (antisense
110 strand)
112 <400> SEQUENCE: 8
113 uucaauggug gaacagauct t
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 21
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: siRNA targeted to influenza virus NP transcript (sense
strand)
124 <400> SEQUENCE: 9
125 uagagagaau ggugcucuct t
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 21
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: siRNA targeted to influenza virus NP transcript (antisense
135 strand)
137 <400> SEQUENCE: 10
138 gagagcacca uucucucuat t

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141 <210> SEQ ID NO: 11  
 142 <211> LENGTH: 21  
 143 <212> TYPE: DNA  
 144 <213> ORGANISM: siRNA targeted to influenza virus M transcript (sense strand)  
 146 <400> SEQUENCE: 11  
 147 ccgaggucga aacguacgut t 21  
 150 <210> SEQ ID NO: 12  
 151 <211> LENGTH: 21  
 152 <212> TYPE: DNA  
 153 <213> ORGANISM: Artificial  
 155 <220> FEATURE:  
 156 <223> OTHER INFORMATION: siRNA targeted to influenza virus M transcript (antisense strand)  
 158 <400> SEQUENCE: 12  
 159 acguacguuu cgaccucgggt t 21  
 162 <210> SEQ ID NO: 13  
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 164 <212> TYPE: DNA  
 165 <213> ORGANISM: Artificial  
 167 <220> FEATURE:  
 168 <223> OTHER INFORMATION: siRNA targeted to influenza virus PB-1 transcript (sense strand)  
 170 <400> SEQUENCE: 13  
 171 caggauacac cauggauact t 21  
 174 <210> SEQ ID NO: 14  
 175 <211> LENGTH: 21  
 176 <212> TYPE: DNA  
 177 <213> ORGANISM: Artificial  
 179 <220> FEATURE:  
 180 <223> OTHER INFORMATION: siRNA targeted to influenza virus PB-1 transcript (antisense strand)  
 183 <400> SEQUENCE: 14  
 184 guauccaugg uguauccugt t 21  
 187 <210> SEQ ID NO: 15  
 188 <211> LENGTH: 20  
 189 <212> TYPE: DNA  
 190 <213> ORGANISM: Artificial  
 192 <220> FEATURE:  
 193 <223> OTHER INFORMATION: shRNA targeted to influenza virus NP transcript (sense portion)  
 195 <400> SEQUENCE: 15  
 196 ggaucuuauu ucuuucggaga 20  
 199 <210> SEQ ID NO: 16  
 200 <211> LENGTH: 20  
 201 <212> TYPE: DNA  
 202 <213> ORGANISM: Artificial  
 204 <220> FEATURE:  
 205 <223> OTHER INFORMATION: shRNA targeted to influenza virus NP transcript (antisense portion)  
 208 <400> SEQUENCE: 16  
 209 ucuccgaaga aauaaagaucc 20  
 212 <210> SEQ ID NO: 17



282 <213> ORGANISM: Artificial

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Input Set : A:\MIT-0507.ST25.txt

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284 <220> FEATURE:  
 285 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to respiratory  
 286 syncytial virus transcript  
 288 <400> SEQUENCE: 22  
 289 tcgagaaaaa acgataatat aactgcaaga tctcttgaat cttgcaggta tattatcgca 60  
 292 <210> SEQ ID NO: 23  
 293 <211> LENGTH: 19  
 294 <212> TYPE: DNA  
 295 <213> ORGANISM: Artificial  
 297 <220> FEATURE:  
 298 <223> OTHER INFORMATION: siRNA targeted to respiratory syncytial virus transcript  
 (sense  
 299 strand)  
 301 <400> SEQUENCE: 23  
 302 cgataatata actgcaaga 19  
 305 <210> SEQ ID NO: 24  
 306 <211> LENGTH: 19  
 307 <212> TYPE: DNA  
 308 <213> ORGANISM: Artificial  
 310 <220> FEATURE:  
 311 <223> OTHER INFORMATION: siRNA targeted to respiratory syncytial virus transcript  
 (antisense strand)  
 314 <400> SEQUENCE: 24  
 315 tcttcaggat atattatcg 19  
 318 <210> SEQ ID NO: 25  
 319 <211> LENGTH: 55  
 320 <212> TYPE: DNA  
 321 <213> ORGANISM: Artificial  
 323 <220> FEATURE:  
 324 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to influenza  
 325 virus PA transcript  
 327 <400> SEQUENCE: 25  
 328 tgcaatttag gagtgccctga ttcaagagat caggcactcc tcaattgctt ttttc 55  
 331 <210> SEQ ID NO: 26  
 332 <211> LENGTH: 59  
 333 <212> TYPE: DNA  
 334 <213> ORGANISM: Artificial  
 336 <220> FEATURE:  
 337 <223> OTHER INFORMATION: oligonucleotide for construction of shRNA targeted to influenza  
 338 virus PA transcript  
 340 <400> SEQUENCE: 26  
 341 tcgagaaaaa agcaatttag gagtgccctga tctcttgaat caggcactcc tcaattgca 59  
 344 <210> SEQ ID NO: 27  
 345 <211> LENGTH: 9  
 346 <212> TYPE: DNA  
 347 <213> ORGANISM: Artificial  
 349 <220> FEATURE:  
 350 <223> OTHER INFORMATION: loop sequence for shRNA  
 352 <400> SEQUENCE: 27  
 353 uucaagaga 9

RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : A:\MIT-0507.ST25.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:29,30,31,32

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/674,087A

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